Nov. 24, 1942. G. A. KNEEDLER 2,303,053

SEPARABLE FASTENER

Filed May 21, 1942

Fig. 1.

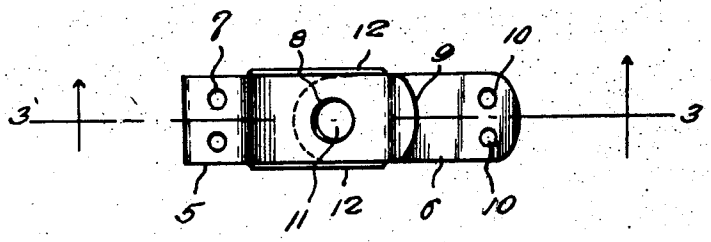

Fig. 2.

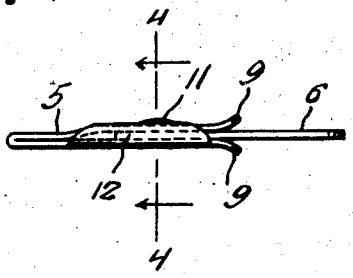

Fig. 3.

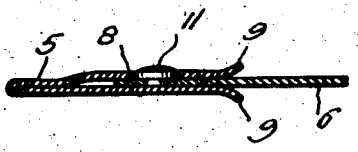

Fig. 4.

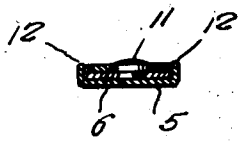

Fig. 5.

Inventor

George A. Kneedler,

By J. Stanley Burch

Attorney

Patented Nov. 24, 1942 2,303,053

UNITED STATES PATENT OFFICE

2,303,053

SEPARABLE FASTENER

George A. Kneedler, Vernon, Tex., assignor of one-eighth to Marvin G. Poteet, Vernon, Tex.

Application May 21, 1942, Serial No. 443,955

1 Claim. (Cl. 24—230)

This invention relates to separable fasteners, and has for its primary object to provide a novel and improved fastener adapted to be employed on the edges of garments or the like.

A specific object of the present invention is to provide a separable fastener which will securely hold the edges of a garment or the like in closed or contiguous relation.

A still further object of the present invention is to provide a separable fastener of the above kind which comprises two separate members adapted to be fastened to opposite edges of the garment or the like, and which are adapted to be brought into engagement with each other and to remain interengaged until manually separated.

A further object of the present invention is to provide a separable fastener which is simple in construction and highly efficient for the intended purpose.

The invention consists in the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawing and claimed.

In the drawing:

Figure 1 is an outside elevational view of a separable fastener constructed in accordance with the present invention.

Figure 2 is an edge elevational view thereof.

Figure 3 is a longitudinal section taken on line 3—3 of Figure 1.

Figure 4 is a transverse section taken on line 4—4 of Figure 2; and

Figure 5 is a view similar to Figure 3 showing a modification of the invention.

Referring in detail to the drawing, the present separable fastener comprises two members 5 and 6. The member 5 is of substantially U-shape and consists of a centrally return-bent strip of spring metal having openings 7 in the folded end portion thereof to facilitate attachment of the member to a garment or the like by stitching or similar means. The outer leg or portion of member 5 is provided with a circular aperture 8, and the free end portions of the member 5 are outturned as at 9 to facilitate insertion of the member 6 between the legs or portions of said member 5.

The member 6 is a flat elongated strip of metal having apertures 10 in one end thereof to facilitate attachment of the same to a garment or the like by stitching or similar means. Near the other end, the member 6 is provided with a lateral headed stud 11 whose head is of a slightly less diameter than that of the opening 8 so that it may readily enter the latter when the members are interengaged by inserting the member 6 between the portions or legs of the member 5. The inner leg or portion of member 5 is provided with side flanges 12 which extend along the edges of the other member or leg of said member 5 which is provided with the opening 8. In this way, the flanges 12 guide the member 6 between the legs or portions of member 5 so that the head of stud 11 will readily enter the opening 8 when the members are interengaged. The legs or portions of members 5 will yield apart when the member 6 is inserted therebetween, springing together when the head of stud 11 enters opening 8, so as to securely retain the members of the fastener in interengaged relation until the outer leg of member 5 which is provided with opening 8 is sprung outwardly to disengage it from the head of stud 11 and permit ready separation of the members of the fastener. The outturned end 9 of the leg of member 5 provided with opening 8 may be readily engaged by the finger or thumb for springing said leg or portion of member 5 away from the other leg or portion thereof to effect the release of member 6 from member 5 when separation of the fastener members is desired.

As shown in Figure 5, the edges of the opening 8a may be beveled, and the edge of the head of stud 11a may be similarly beveled so that said head of stud 11a flares outwardly and when it is engaged in opening 8a, an interlocking positive connection is provided between the members of the separable fastener. With this arrangement, it is necessary to center the head of stud 11a with respect to opening 8a before the members can be separated by springing the legs or portions of separable fastener member 5a. In this form, the stud 11a is carried by a fastener member 6a similar to the member 6 of the form shown in Figures 1 to 4 inclusive. Otherwise, the construction of both forms is similar.

From the foregoing description, it is believed that the construction and operation, as well as the advantages of the present invention, will be readily understood and appreciated by those skilled in the art. Minor changes in the details illustrated and described, are contemplated within the spirit and scope of the invention as claimed.

What I claim as new is:

A separable fastener of the character described comprising a pair of separable members, one of said members being approximately U-shaped and comprising a strip of spring metal substantially centrally return-bent and having a circular aperture in one leg thereof, the free ends of the legs of said member being outturned, and the leg not

provided with the aperture being formed with side flanges extending along the edges of the apertured leg, said member having openings near the fold thereof to facilitate attachment of the same to a garment or the like by stitching or similar means, the other member comprising an elongated strip of metal having openings in the outer end thereof to facilitate attachment of the same to the garment or like by stitching or similar means, and having a lateral headed stud on the inner end portion thereof, the head of said stud being of slightly smaller diameter than that of said opening in the first-named member, the edge of said opening being beveled, and the head of said stud being similarly beveled so as to have an outwardly flaring form and provide an interlocking positive connection between the fastener members when interengaged.

GEORGE A. KNEEDLER.